

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P940585

Luminaire Tested: **GALN-SB3D-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24991 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

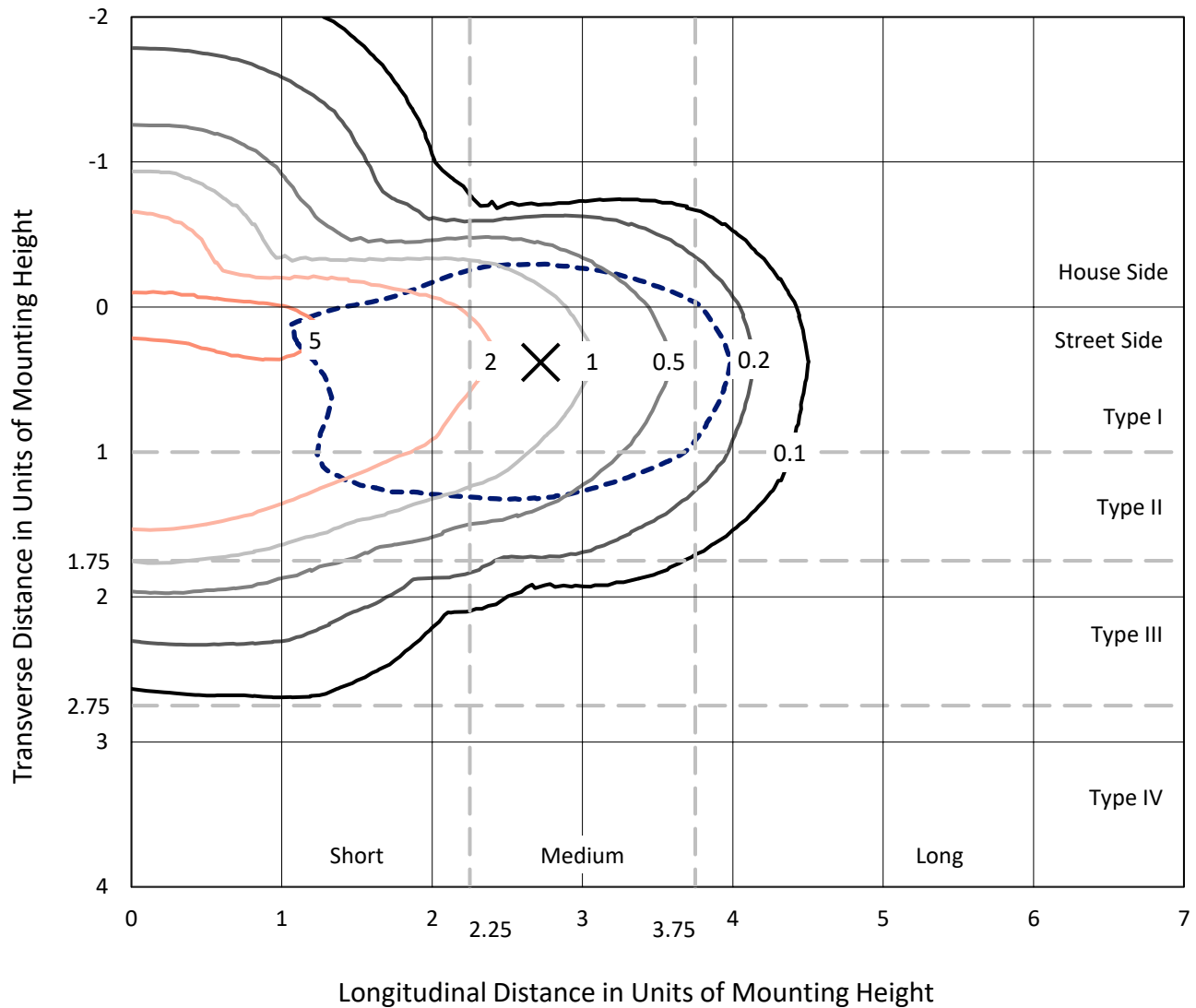


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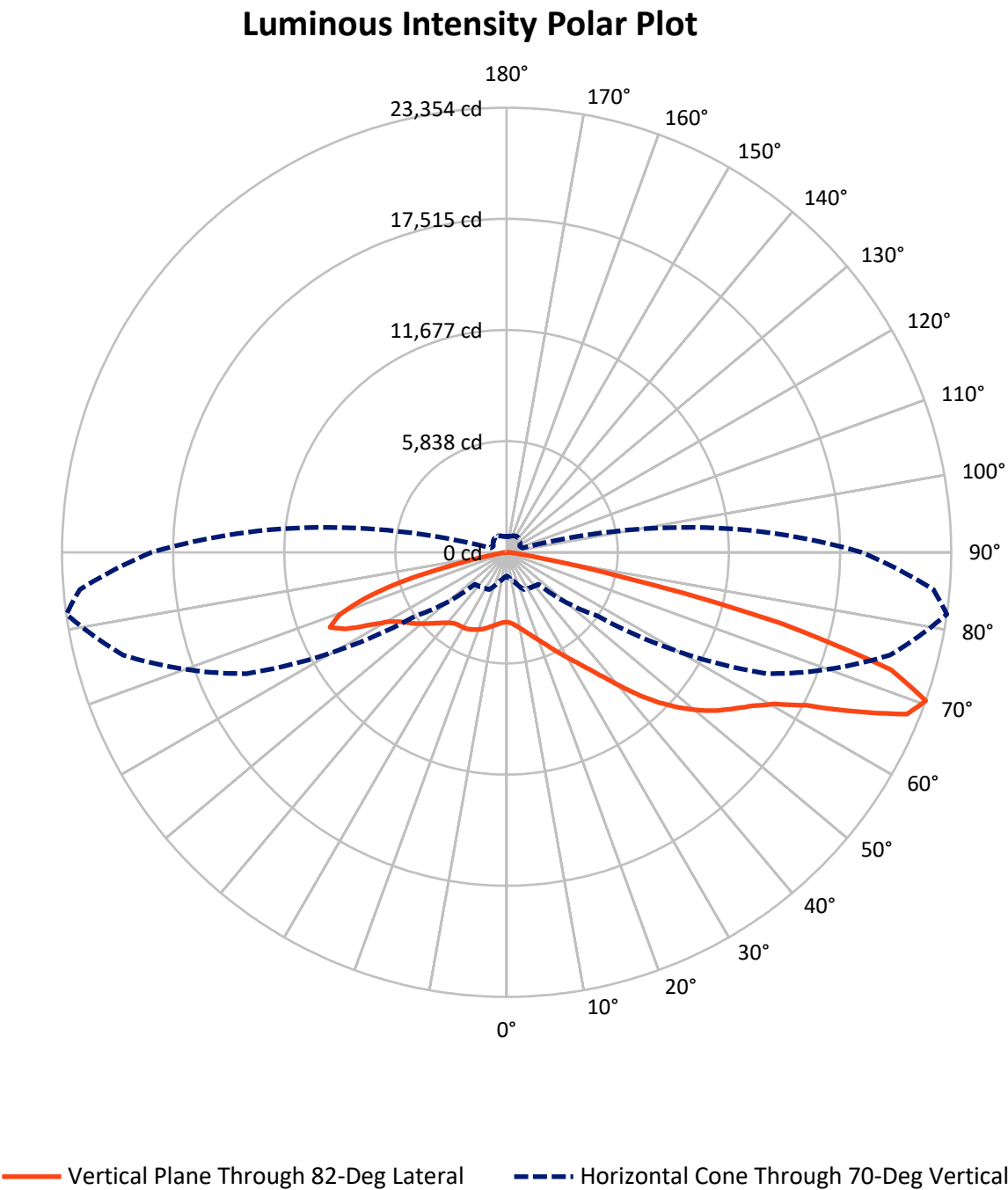
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6160.9	0.0	6160.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18830.1	0.0	18830.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	24991.0	0.0	24991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	1.4
10°-20°	993.9	4.0
20°-30°	1662.7	6.7
30°-40°	2597.6	10.4
40°-50°	4137.0	16.6
50°-60°	5757.1	23.0
60°-70°	6022.2	24.1
70°-80°	3147.5	12.6
80°-90°	326.8	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	24991.0	100.0
0°-180°	24991.0	100.0

Coefficient of Utilization



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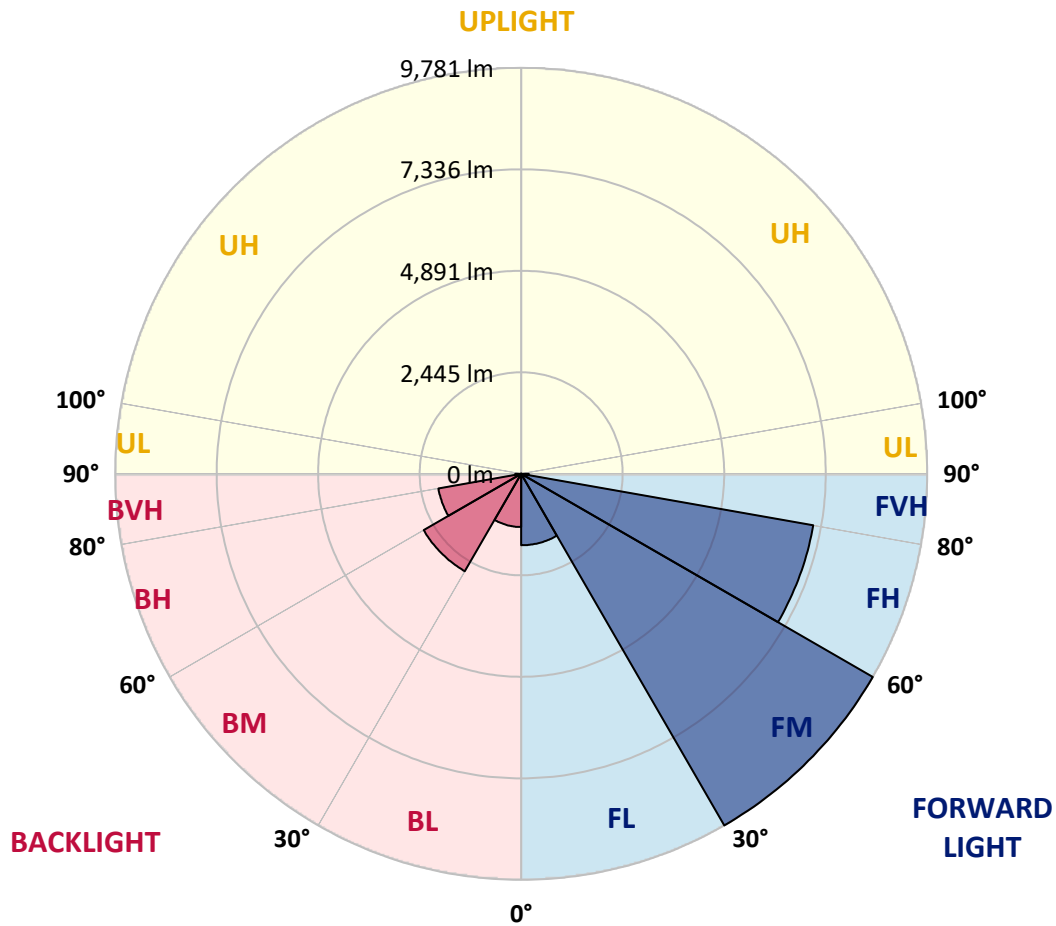
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1720.9	6.9			
FM	(30°-60°)	9781.2	39.1			
FH	(60°-80°)	7145.0	28.6			G3/7500
FVH	(80°-90°)	183.0	0.7			G2/225
BL	(0°-30°)	1281.7	5.1	B3/2500		
BM	(30°-60°)	2710.5	10.8	B3/5000		
BH	(60°-80°)	2024.8	8.1	B3/2500		G3/2500
BVH	(80°-90°)	143.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0
2.5°	3751.5	3772.7	3766.1	3759.5	3759.5	3750.2	3748.9	3735.6	3725.0	3707.8	3703.8
5°	3799.3	3821.8	3819.1	3824.5	3841.7	3845.7	3849.6	3841.7	3820.5	3799.3	3790.0
7.5°	3756.8	3782.0	3790.0	3821.8	3874.8	3922.6	3958.4	3973.0	3953.1	3922.6	3908.0
10°	3613.6	3641.4	3669.3	3744.9	3839.0	3951.8	4047.2	4104.3	4100.3	4071.1	4045.9
12.5°	3323.2	3352.4	3412.0	3559.2	3731.6	3930.5	4108.2	4227.6	4268.7	4247.5	4203.7
15°	3091.1	3116.3	3161.4	3312.6	3536.7	3839.0	4130.8	4362.8	4467.6	4455.7	4402.6
17.5°	3084.5	3095.1	3122.9	3194.6	3366.9	3695.8	4106.9	4495.5	4695.7	4694.4	4628.1
20°	3201.2	3205.2	3221.1	3235.7	3333.8	3587.1	4045.9	4605.5	4951.6	4951.6	4880.0
22.5°	3363.0	3360.3	3376.2	3363.0	3410.7	3577.8	4007.5	4702.3	5236.7	5258.0	5167.8
25°	3605.6	3592.4	3588.4	3557.9	3567.2	3664.0	4049.9	4812.4	5574.9	5618.7	5505.9
27.5°	3929.2	3908.0	3893.4	3823.1	3799.3	3841.7	4179.8	4945.0	5951.5	6027.1	5883.9
30°	4350.9	4312.5	4291.2	4169.2	4083.0	4089.7	4376.1	5121.4	6345.4	6467.4	6285.7
32.5°	4926.4	4866.8	4809.7	4609.5	4451.7	4400.0	4629.4	5365.4	6772.4	6967.3	6733.9
35°	5570.9	5523.2	5462.2	5153.2	4910.5	4791.2	4971.5	5706.2	7272.3	7581.3	7277.6
37.5°	6191.5	6150.4	6179.6	5763.2	5450.2	5276.5	5419.7	6163.7	7888.9	8345.1	7959.2
40°	6833.4	6801.5	6805.5	6407.7	6043.0	5848.1	5963.4	6737.9	8595.7	9253.5	8778.7
42.5°	7530.9	7507.0	7427.4	7074.7	6664.9	6483.3	6589.4	7400.9	9354.3	10287.8	9677.8
45°	8311.9	8297.4	8223.1	7818.6	7349.2	7145.0	7288.2	8132.9	10116.8	11261.2	10580.9
47.5°	8986.9	8998.9	8989.6	8648.8	8162.1	7862.4	8033.5	8896.8	10826.2	12176.2	11446.8
50°	9311.8	9374.1	9465.6	9359.6	9057.2	8752.2	8785.4	9634.1	11502.5	13034.2	12277.0
52.5°	9142.1	9260.1	9509.4	9679.1	9795.8	9732.2	9643.3	10366.1	12139.0	13808.6	13062.0
55°	8509.5	8675.3	9089.0	9498.8	10094.2	10557.0	10673.7	11177.6	12759.7	14490.2	13804.6
57.5°	7357.2	7626.4	7997.7	8826.5	9829.0	10956.2	11875.2	12303.5	13417.4	15218.2	14581.7
60°	5381.3	5742.0	6203.5	7436.7	8900.7	10742.7	12897.6	14032.7	14352.3	16161.1	15593.5
62.5°	3443.9	3666.6	4091.0	5252.7	6935.5	9648.6	13210.5	16194.2	15937.0	17707.3	17110.6
65°	2357.8	2501.0	2889.6	3542.0	4483.5	7182.1	12372.4	17814.7	18453.9	20157.9	19704.4
67.5°	1713.3	1822.1	2153.6	2725.1	2921.4	4250.1	9600.9	17740.5	20900.5	22682.8	21977.3
70°	1249.2	1326.1	1604.6	2153.6	2247.7	2364.4	5816.2	15080.3	20847.5	23353.8	22509.1
72.5°	925.6	978.7	1165.6	1670.9	1819.4	1596.6	2878.9	10960.2	17914.2	21123.3	20445.7
75°	669.7	709.5	847.4	1278.4	1456.0	1216.0	1436.2	6405.0	12495.8	14858.9	14978.2
77.5°	511.9	542.4	632.5	936.2	1165.6	912.4	891.1	2946.6	5925.0	5954.2	6288.3
80°	411.1	431.0	480.0	659.1	893.8	682.9	580.8	1189.5	1872.4	1584.7	1662.9
82.5°	302.3	335.5	405.8	462.8	639.2	470.8	354.1	600.7	712.1	612.7	618.0
85°	172.4	194.9	245.3	331.5	408.4	287.8	202.9	266.5	331.5	271.8	242.7
87.5°	61.0	79.6	86.2	130.0	177.7	119.3	78.2	76.9	108.7	80.9	67.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0	3664.0
2.5°	3690.5	3683.9	3657.4	3621.6	3584.4	3548.6	3536.7	3511.5	3494.3	3485.0	3495.6
5°	3764.8	3743.6	3681.2	3601.7	3518.1	3427.9	3364.3	3305.9	3263.5	3223.7	3239.6
7.5°	3870.9	3833.7	3726.3	3587.1	3438.6	3288.7	3177.3	3092.4	3035.4	2998.3	3006.3
10°	3994.2	3937.2	3772.7	3564.5	3335.1	3120.3	2989.0	2916.1	2880.3	2860.4	2865.7
12.5°	4136.1	4055.2	3820.5	3512.8	3177.3	2932.0	2841.8	2820.6	2821.9	2823.3	2825.9
15°	4311.1	4198.4	3858.9	3400.1	2971.8	2787.4	2771.5	2806.0	2841.8	2859.1	2857.7
17.5°	4508.7	4349.6	3865.6	3214.4	2770.2	2694.6	2745.0	2819.3	2873.6	2897.5	2902.8
20°	4720.9	4503.4	3817.8	2951.9	2604.4	2619.0	2709.2	2804.7	2864.4	2894.9	2902.8
22.5°	4963.6	4667.8	3703.8	2676.1	2469.2	2536.8	2642.9	2735.7	2798.1	2828.6	2836.5
25°	5240.7	4852.2	3524.8	2444.0	2352.5	2444.0	2550.1	2627.0	2677.4	2705.2	2713.2
27.5°	5548.4	5044.5	3286.1	2259.7	2250.4	2348.5	2436.0	2495.7	2522.2	2543.4	2551.4
30°	5857.3	5219.5	2997.0	2120.4	2161.5	2254.4	2316.7	2343.2	2351.2	2355.1	2364.4
32.5°	6191.5	5370.7	2693.3	2005.1	2076.7	2162.9	2200.0	2211.9	2174.8	2149.6	2157.6
35°	6596.0	5532.5	2396.2	1913.6	1993.1	2067.4	2079.3	2068.7	2024.9	1973.2	1975.9
37.5°	7095.9	5734.0	2158.9	1848.6	1914.9	1963.9	1949.4	1946.7	1950.7	1889.7	1893.7
40°	7708.6	5996.6	1985.2	1798.2	1851.2	1861.8	1820.7	1843.3	1863.2	1770.3	1773.0
42.5°	8388.9	6313.5	1875.1	1763.7	1798.2	1773.0	1709.3	1734.5	1731.9	1609.9	1608.5
45°	9082.4	6658.3	1836.6	1738.5	1749.1	1698.7	1628.4	1635.1	1579.4	1469.3	1473.3
47.5°	9772.0	7028.3	1860.5	1717.3	1688.1	1631.1	1576.7	1547.5	1465.3	1383.1	1383.1
50°	10448.3	7416.8	1948.0	1674.9	1604.6	1571.4	1531.6	1479.9	1392.4	1322.1	1316.8
52.5°	11075.5	7808.0	2046.2	1604.6	1499.8	1519.7	1494.5	1434.8	1348.6	1277.0	1278.4
55°	11669.6	8199.2	2084.6	1507.8	1401.7	1474.6	1460.0	1350.0	1246.5	1188.2	1182.9
57.5°	12316.7	8670.0	2042.2	1384.4	1322.1	1422.9	1367.2	1245.2	1185.5	1141.8	1137.8
60°	13213.2	9408.6	1950.7	1231.9	1246.5	1346.0	1250.5	1200.1	1135.1	1086.1	1083.4
62.5°	14702.4	10786.4	1803.5	1080.8	1157.7	1231.9	1194.8	1144.4	1078.1	1030.4	1030.4
65°	16903.7	12701.3	1526.3	962.7	1058.2	1120.5	1135.1	1084.7	1015.8	965.4	968.0
67.5°	18760.2	13902.8	1155.0	864.6	956.1	1030.4	1071.5	1022.4	949.5	900.4	901.7
70°	18658.1	13030.2	881.9	767.8	865.9	941.5	994.6	956.1	877.9	831.5	835.4
72.5°	16572.2	10900.5	713.4	669.7	774.4	848.7	912.4	883.2	803.6	758.5	758.5
75°	12174.9	7737.7	570.2	570.2	660.4	751.9	822.2	803.6	730.7	698.9	689.6
77.5°	5132.0	3246.3	446.9	473.4	549.0	645.8	733.3	740.0	676.3	716.1	649.8
80°	1364.5	895.1	340.8	372.6	431.0	533.1	637.9	635.2	566.2	529.1	492.0
82.5°	519.8	352.7	242.7	262.6	311.6	408.4	505.2	521.2	452.2	391.2	391.2
85°	200.2	151.2	149.8	157.8	181.7	270.5	381.9	395.2	340.8	289.1	298.4
87.5°	51.7	45.1	55.7	53.0	83.5	144.5	218.8	226.8	208.2	120.7	172.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)